

FIG. 1

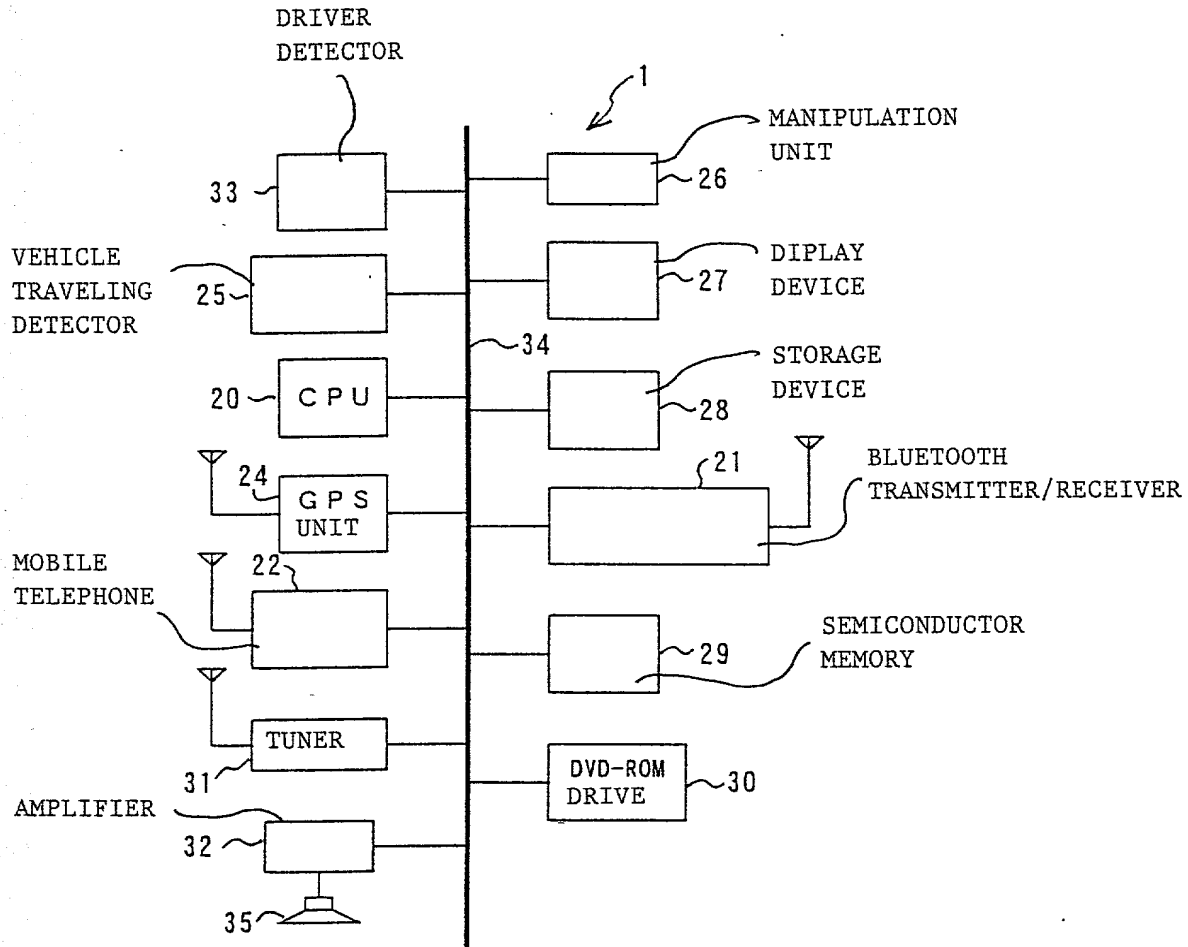


FIG. 2

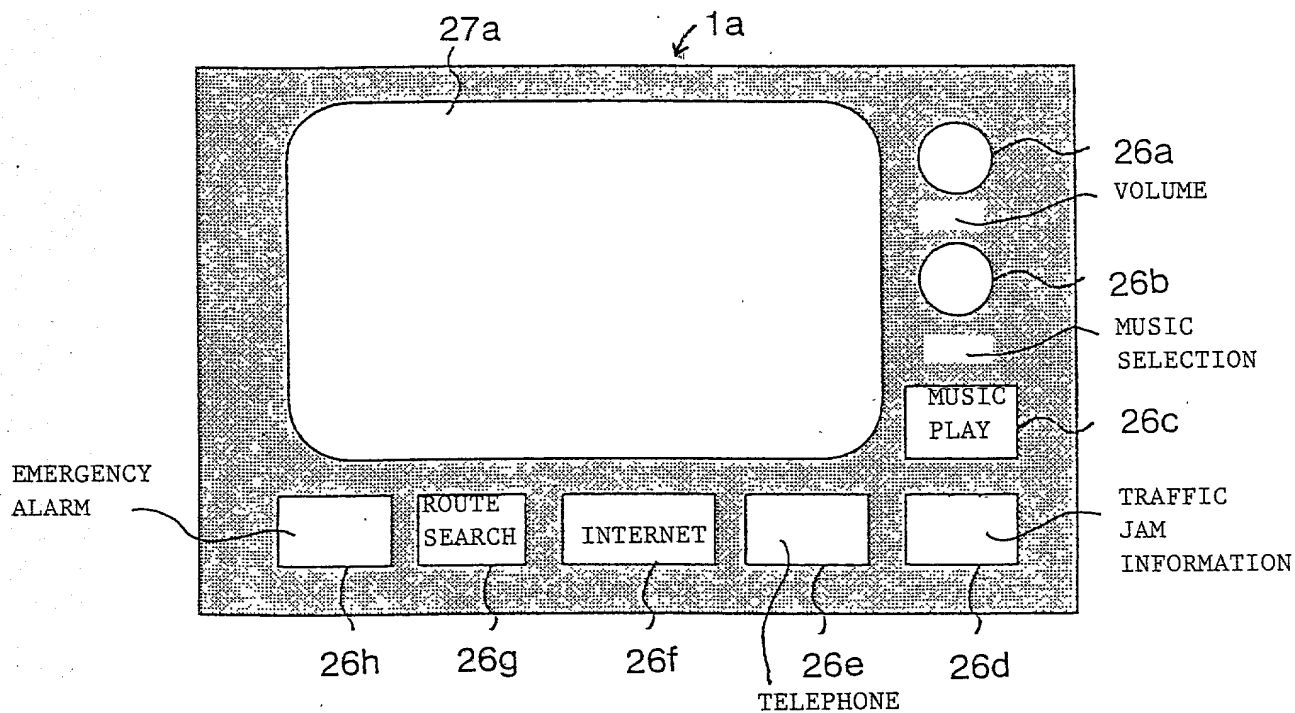


FIG. 3

MUSIC PLAY
INTERNET RADIO
MP3 DATA
GROUND WAVE

RETURN

FIG. 4 A

TRAFFIC JAM INFORMATION
RADIO
INTERNET
VICS
PREDICTION FROM PAST DATA
ATIS
SPEEDWAY PUBLIC CORPORATION GUIDE

RETURN

FIG. 4 B

TELEPHONE

CONTACT ADDRESS
LIST

RETURN

FIG. 4 C

ROUTE SEARCH
DEPARTURE
DESTINATION
DATE AND TIME
LOCATION
CONDITION
PAST RECORD

RETURN

FIG. 4 D

EMERGENCY ALARM
ACCESS POINT
EMERGENCY CENTER
AMBULANCE
POLICE
INSURANCE COMPANY
REPAIR SHOP

RETURN

FIG. 4 E

0964250-03249660

CAR PROFILE DATABASE

USER

PASSWORD

FIG. 5 A

CAR PROFILE DATABASE

APPLICATION
DATABASE
USER SETTING
UPDATE DATA

FIG. 5 B

APPLICATION
TRAVELING MANAGEMENT
EMERGENCY ALARM
MUSIC DELIVERY
ANTI-THEFT
VEHICLE MANAGEMENT
PUBLIC TELEPHONE
ROUTE SEARCH
MAIL

FIG. 5 C

DATABASE
VEHICLE DATA
TRAVELING DATA
DRIVER DATA
MUSIC DATA
ADDRESS BOOK
MAP DATA

FIG. 5 D

USER SETTING
SET ACCESS RIGHT
ADD NEW USER
CHANGE USER DATA
SET ACCESS POINT

FIG. 5 E

UPDATE DATA
UNCONDITIONAL UPDATE (DATA MOVE)
CONDITIONAL UPDATE (DESTINATION)
CONDITIONAL UPDATE
(COMMUNICATION CONDITION)
ERASE (FORMAT)

FIG. 5 F

09361230 092504

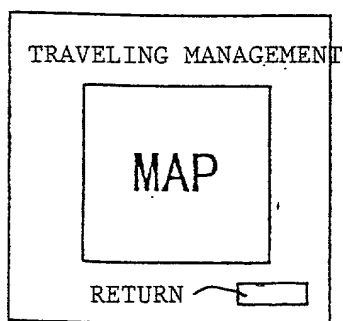


FIG. 6A

PARTS
 CHECK
 (MAINTENANCE
 INFORMATION)
 STRAT ENGINE
 START AIR
 CONDITIONER

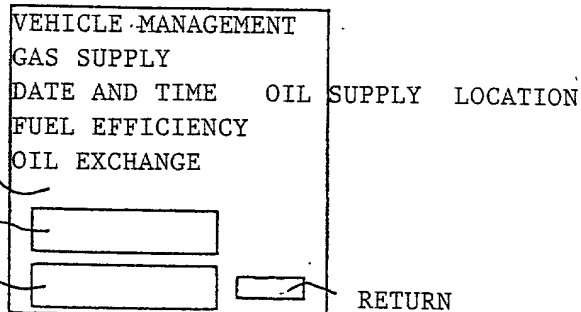


FIG. 6E

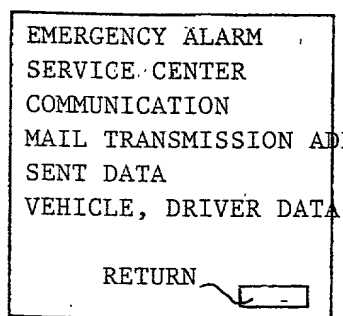


FIG. 6B

PAST
 INFORMATION
 SEND RESULT
 TO VEHICLE

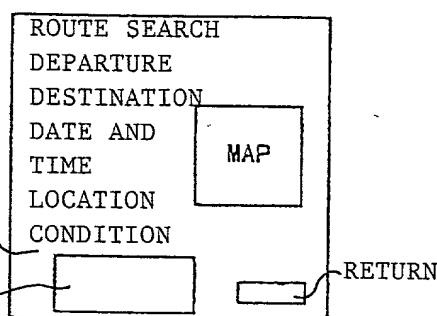


FIG. 6F

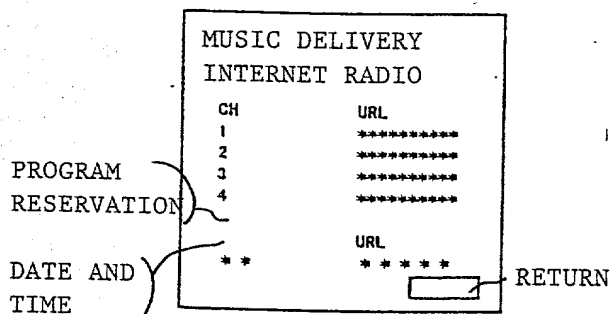


FIG. 6C

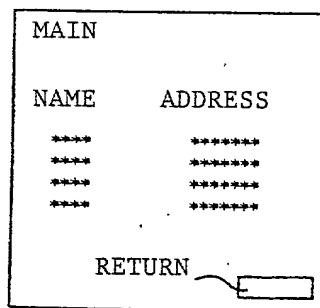


FIG. 6G

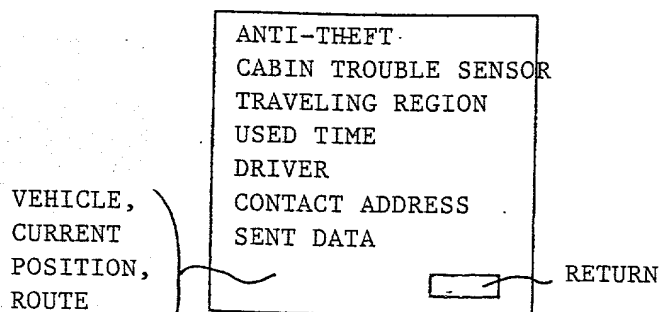


FIG. 6D

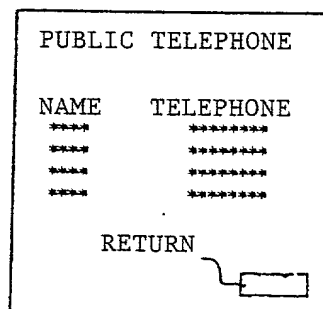


FIG. 6H

095260-09279660

FIG. 7A

VEHICLE DATA
 BODY NUMBER
 COLOR
 MODEL
 OWNER
 MAINTENANCE INFORMATION

RETURN

DOWNLOAD
 UPLOAD

MUSIC DATA

NO.	TITLE	DURATION
1	*****	***
2	*****	***
3	*****	***
4	*****	***
5	*****	***
6	*****	***

RETURN

FIG. 7D

FIG. 7B

TRAVELING DATA
 CURRENT POSITION

EAST LONGITUDE *****
 NORTH LATITUDE *****
 DATE AND TIME *****

LOCATION *****
 SPEED *****
 CONDITION *****

TIME *****

RETURN

MAP DATA
 MAPNAME UPDATED DATE

SOUTH KANTO REGION *****
 NORTH KANTO REGION *****
 TOKYO METROPOLITAN *****
 KAWASAKI CITY *****
 SAITAMA PREFECTURE *****
 NIIGATA PREFECTURE *****

RETURN

FIG. 7E

FIG. 7C

DRIVER DATA
 NAME
 BLOOD TYPE
 SEX
 AGE
 HEIGHT
 WEIGHT
 COMMUNICATION

HEAD

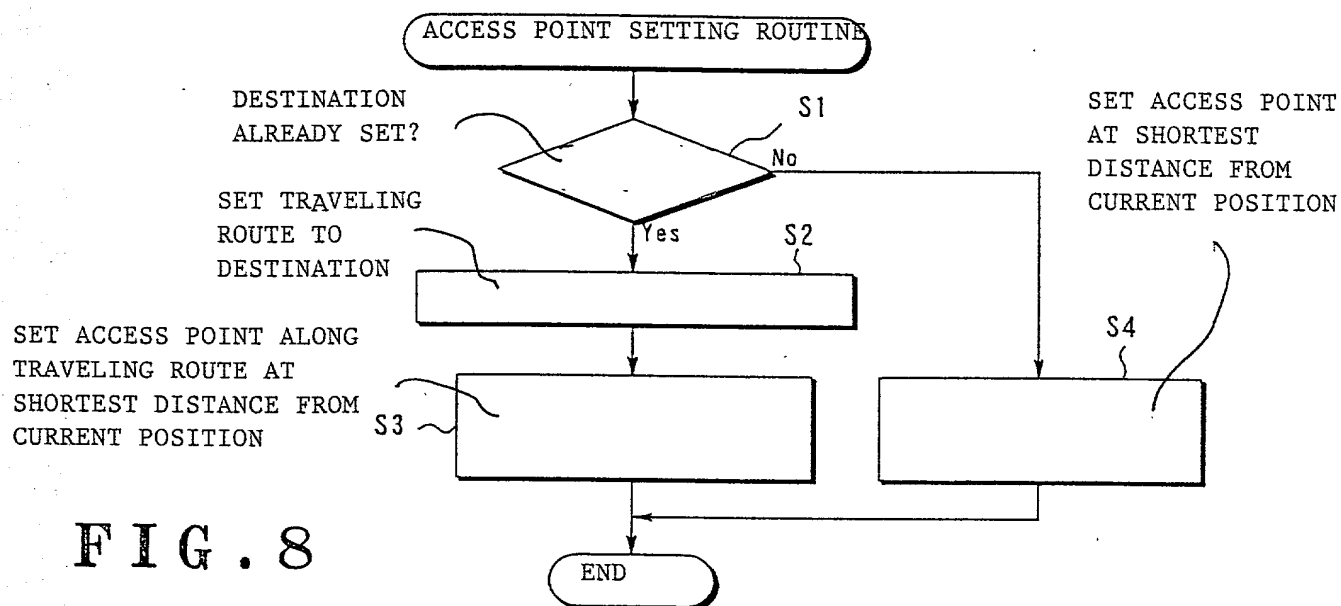
RETURN

ADDRESS BOOK
 NAME
 TELEPHONE
 ADDRESS

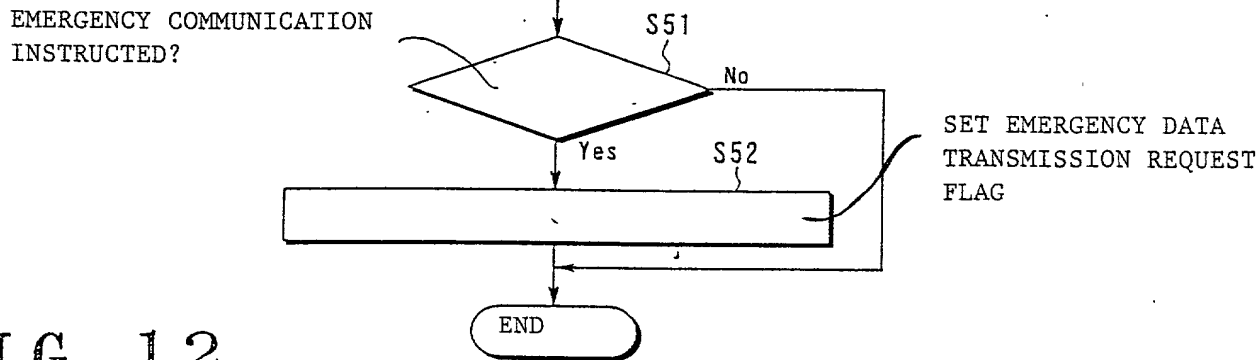
RETURN

FIG. 7F

00664380092501
 1052269960



**EMERGENCY DATA COMMUNICATION
 SETTING ROUTINE**



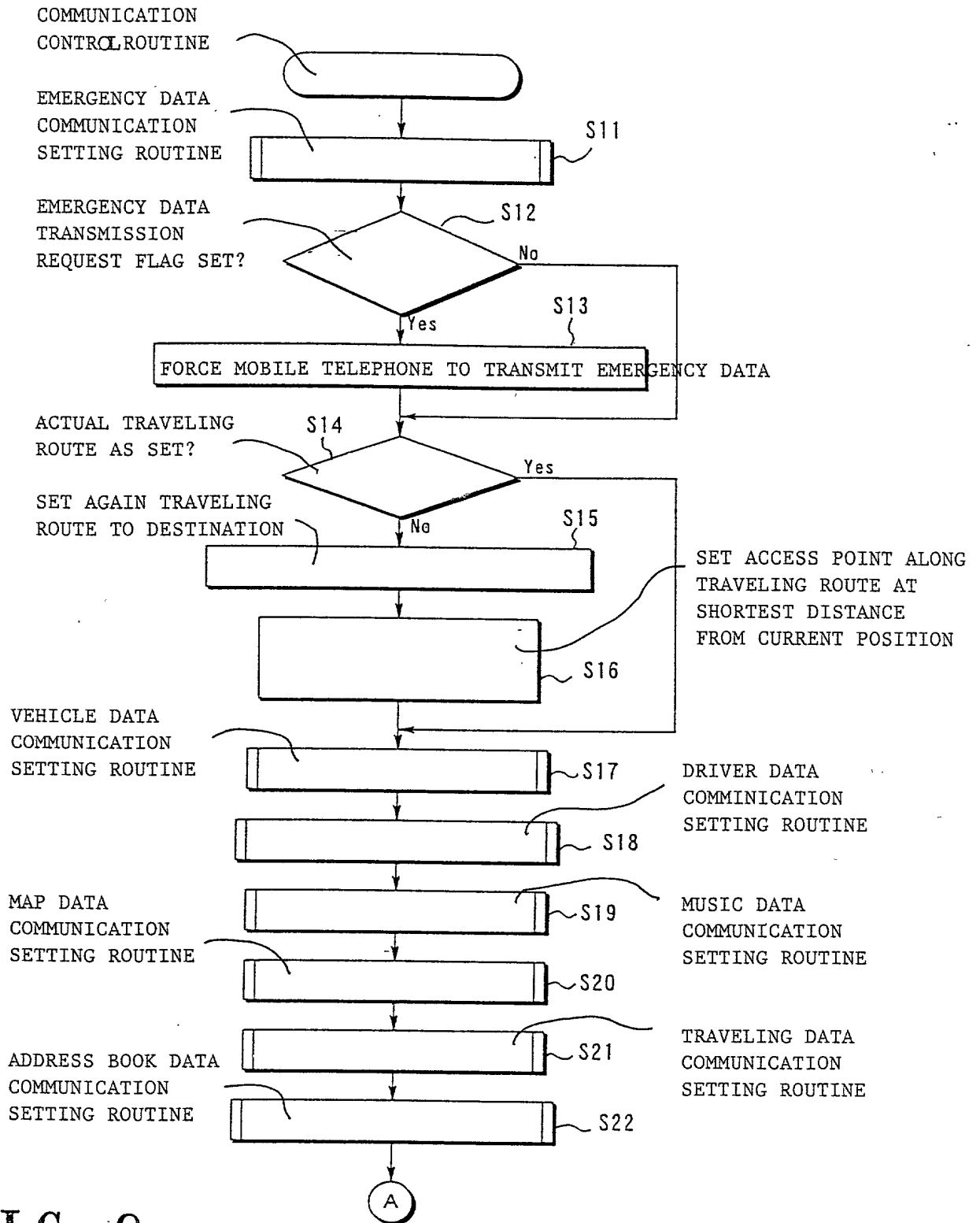


FIG. 9

MUSIC DATA
PERIODICAL
TRANSMISSION
REQUEST FLAG
SET?

DRIVER DATA TRANSMISSION
REQUEST FLAG A SET?

COMMUNICATION AVAILABLE ON
BLUETOOTH COMMUNICATION PATH?

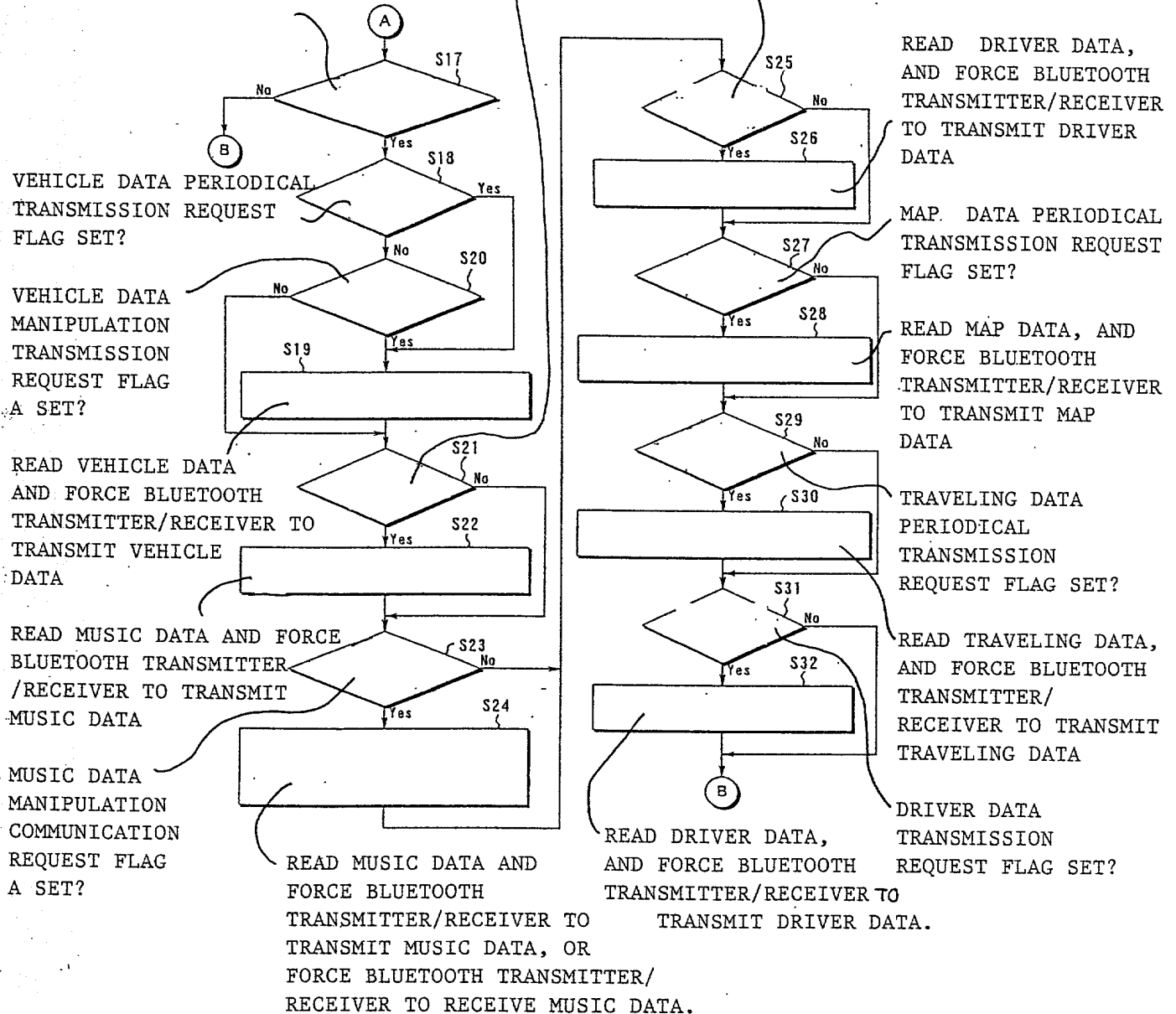


FIG. 10

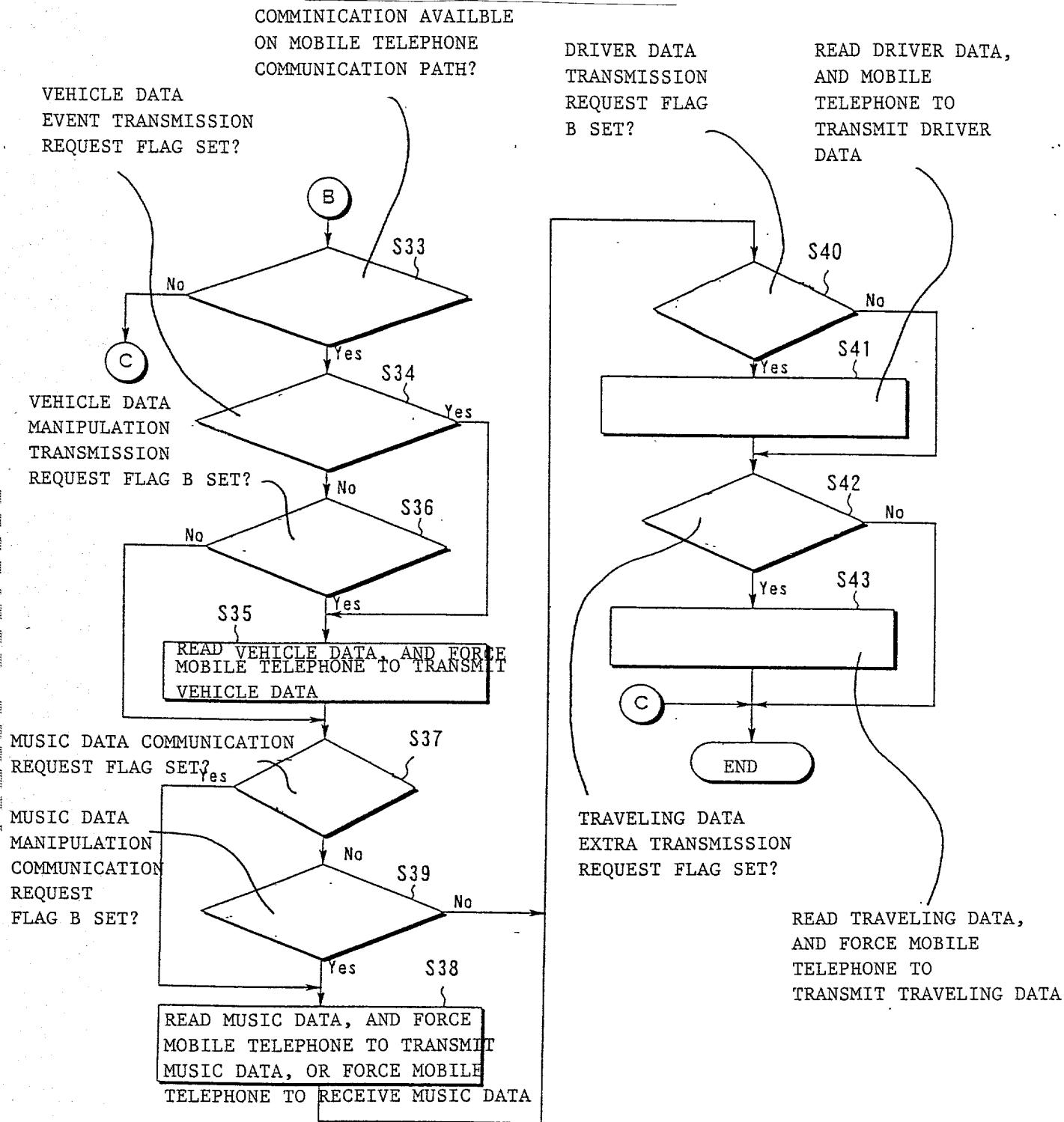


FIG. 11

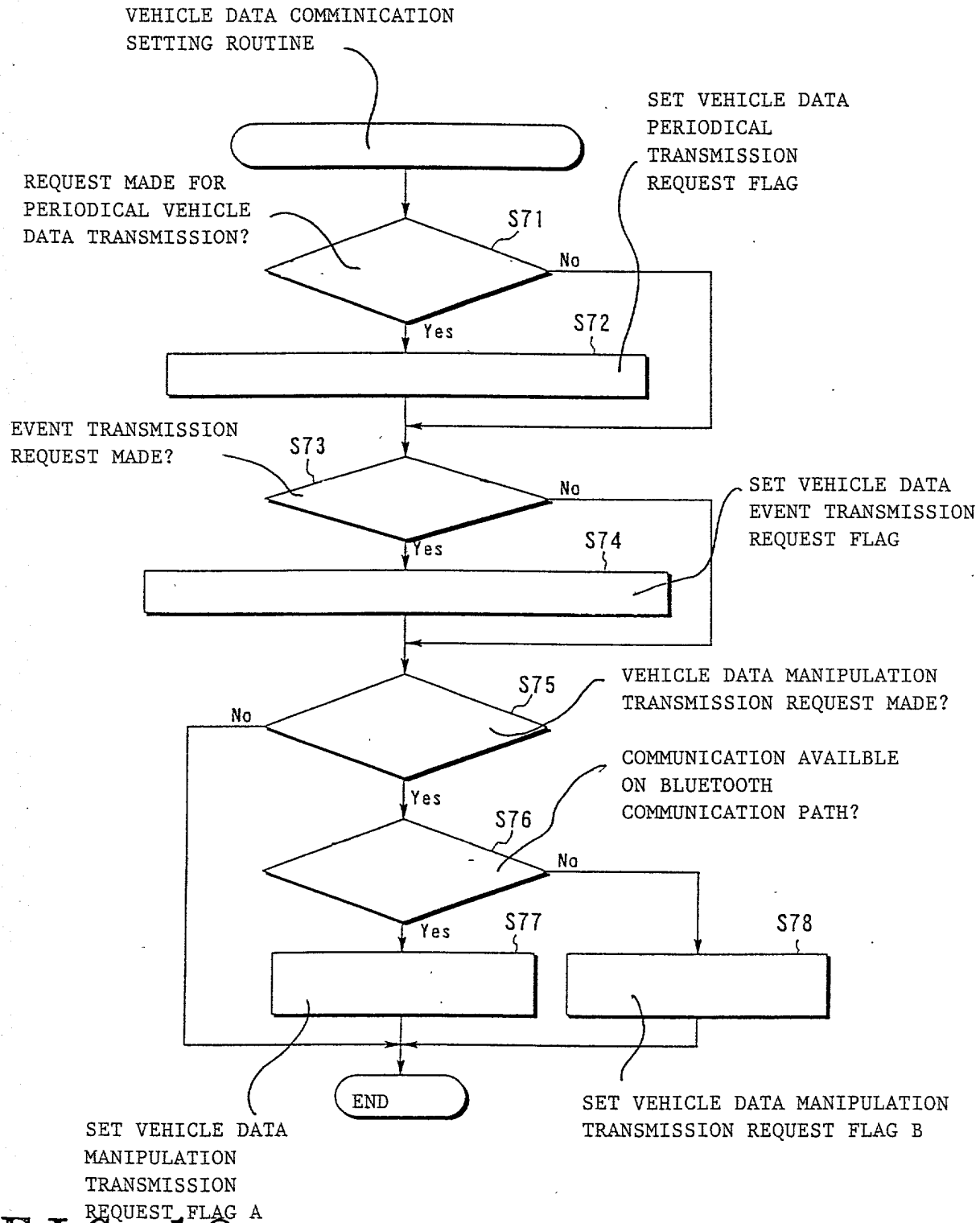


FIG. 13

	TYPE	UPDATE CYCLE	PRECEDING UPDATE DATE AND TIME
VEHICLE DATA		ONE WEEK	XXXX:YY:ZZ 12:10
DRIVER DATA		START OF VEHICLE	XXXX:YY:ZZ 11:03
MUSIC DATA		TWICE A DAY	XXXX:YY:ZZ 12:00
MAP DATA		ONE A MONTH	XXXX:YY:ZZ 09:45
TRAVELING DATA		EVERY 10 MINUTES	XXXX:YY:ZZ 12:50
ADDRESS BOOK DATA		ONE A DAY	XXXX:YY:ZZ 10:10
EMERGENCY DATA		(OCCURRENCE OF EMERGENCY	XXXX:AY:GH 17:30

FIG . 14

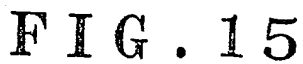


FIG. 15

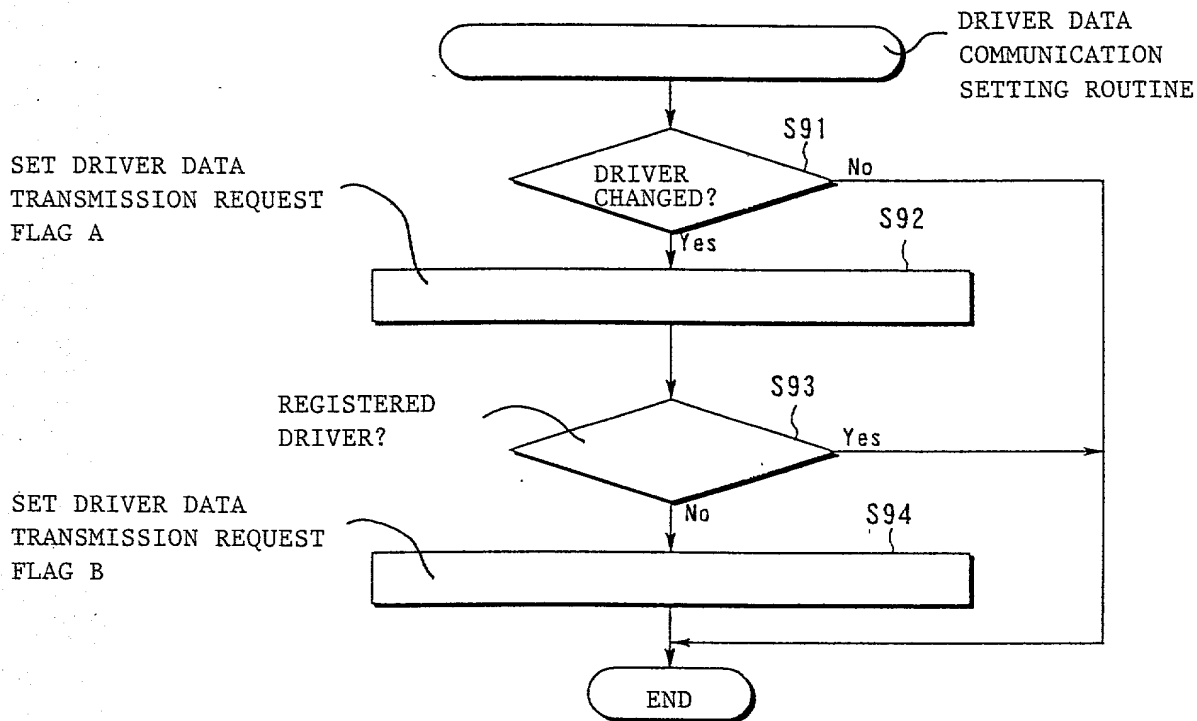


FIG. 16

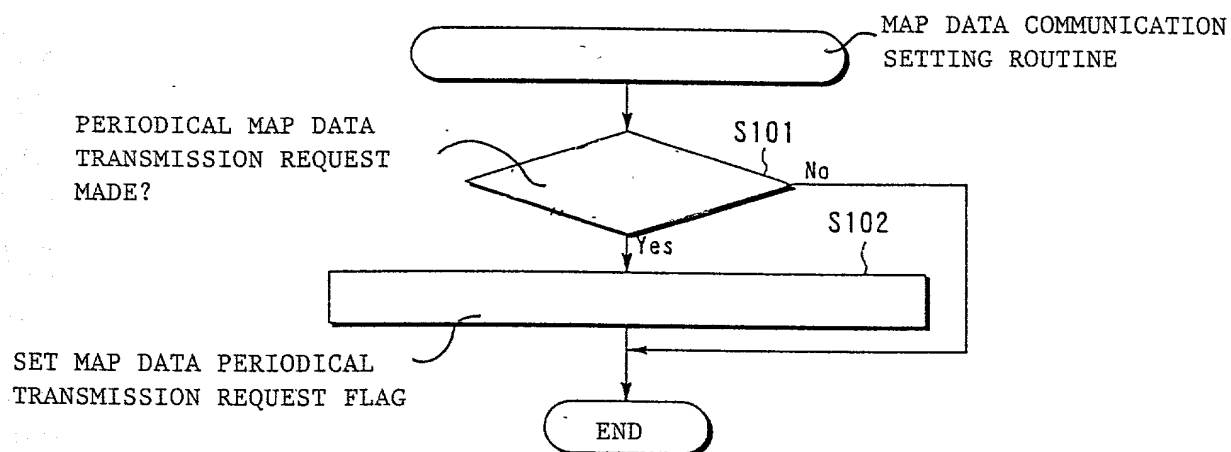
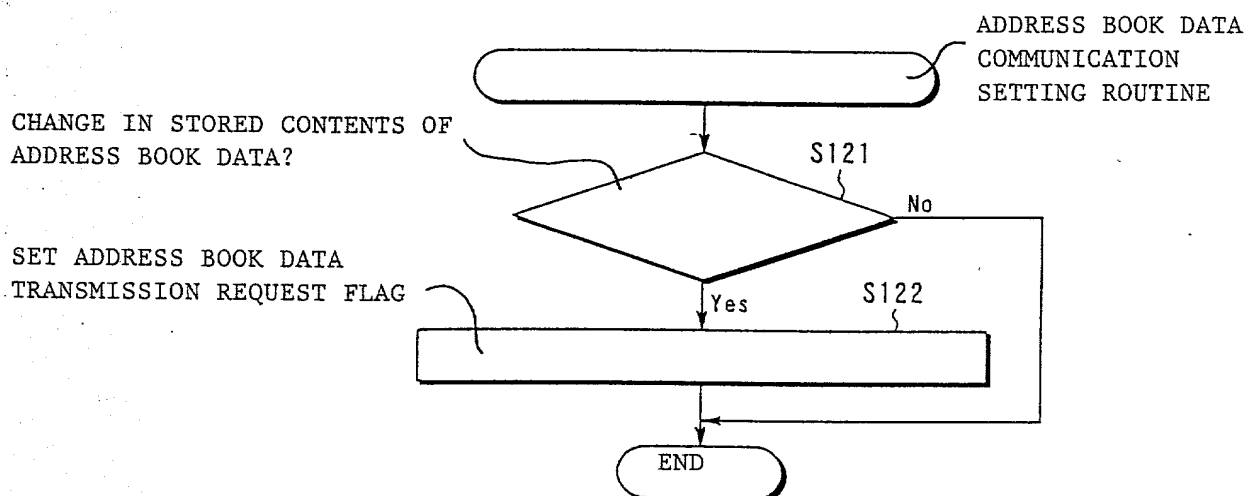
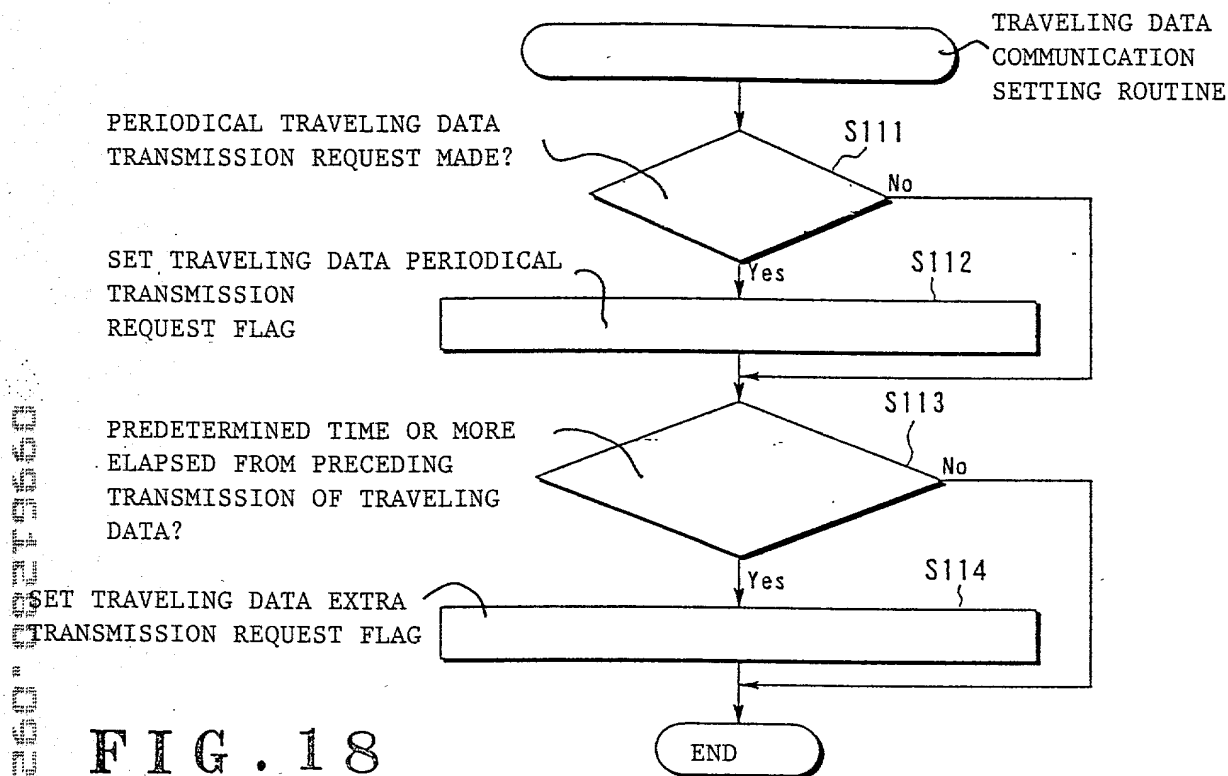


FIG. 17



DEVICE OR SERVER TYPE	VEHICLE MANAGEMENT CENTER DEVICE			TRAVELING MANAGEMENT CENTER DEVICE		MUSIC DELIVERY CENTER DEVICE		EMERGENCY MESSAGE CENTER DEVICE	
					HOME SERVER	OFFICE SERVER			
VEHICLE DATA		○	○	○	○	○	×	○	○
DRIVER DATA		○	○	○	○	○	○	○	○
MUSIC DATA		×	×	×	○	○	○	×	×
MAP DATA		×	×	○	○	○	×	○	○
TRAVELING DATA		○	○	○	○	×	×	○	○
ADDRESS BOOK DATA		×	×	×	○	○	×	×	×
EMERGENCY DATA		×	×	×	○	×	×	○	○

FIG. 20

REQUEST FOR USER
IDENTIFICATION CODE IN
AND PASSWORD

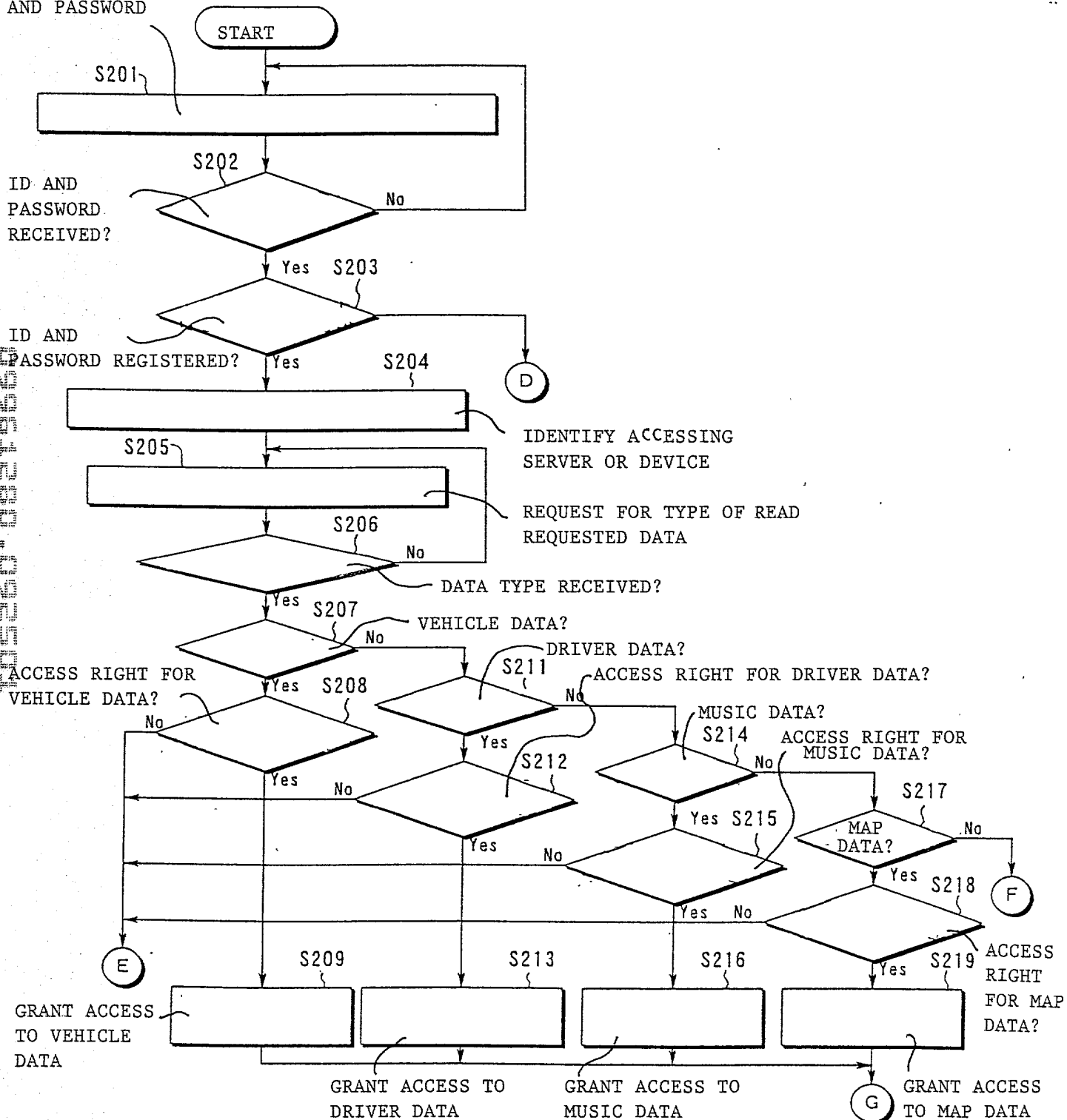


FIG. 21

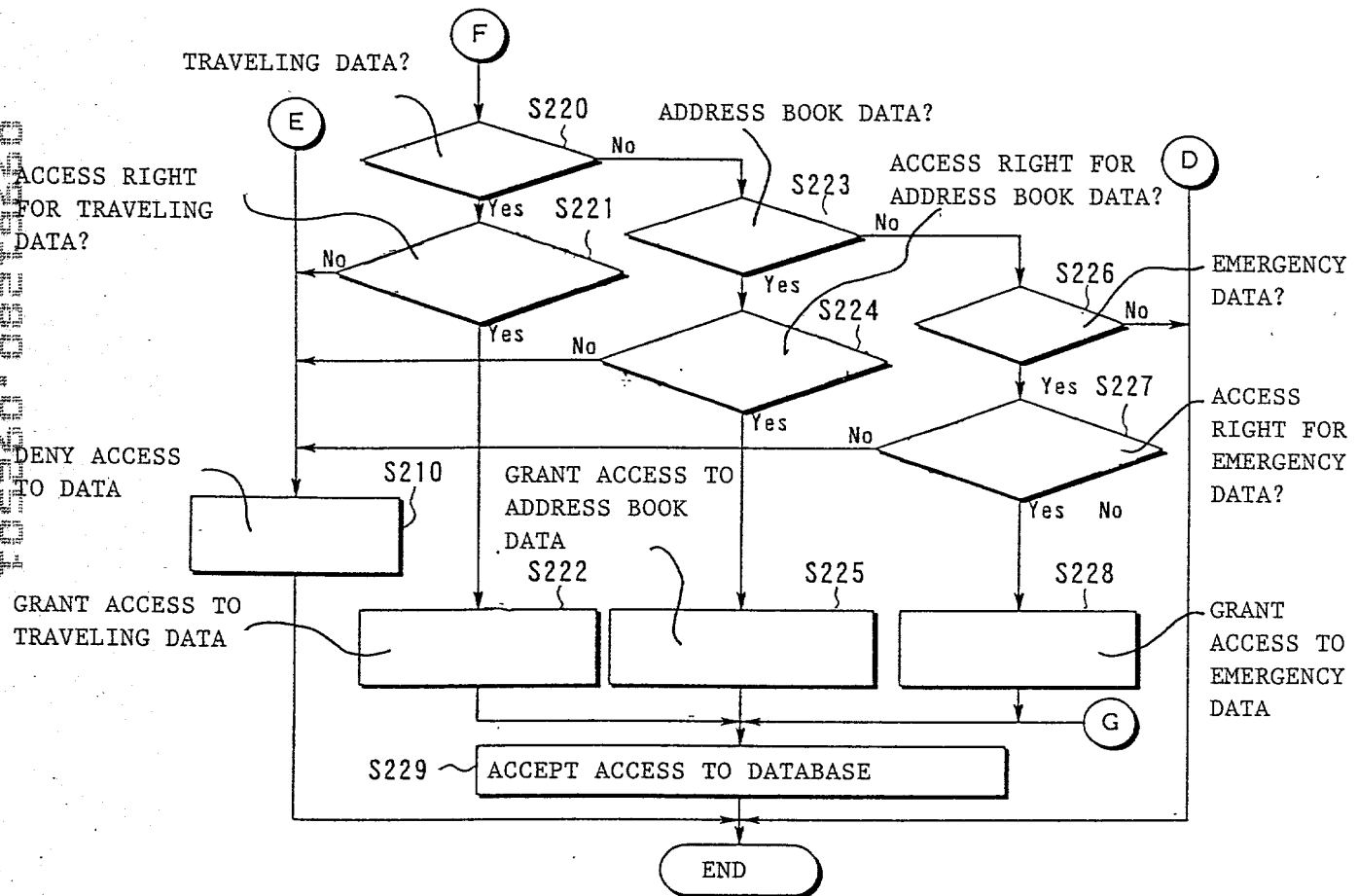


FIG. 22

USER GROUP		FRIEND		POLICE			
		FAMILY MEMBER	SECURITY COMPANY	FIRE STATION	REPAIR SHOP		
TYPE	OWNER						
VEHICLE DATA	○	○	○	○	○	○	○
DRIVER DATA	○	○	○	○	×	○	×
MUSIC DATA	○	×	○	×	×	×	×
MAP DATA	○	○	○	○	○	×	×
TRAVELING DATA	○	○	×	×	×	×	○
ADDRESS BOOK DATA	○	×	×	×	×	×	×

FIG. 23

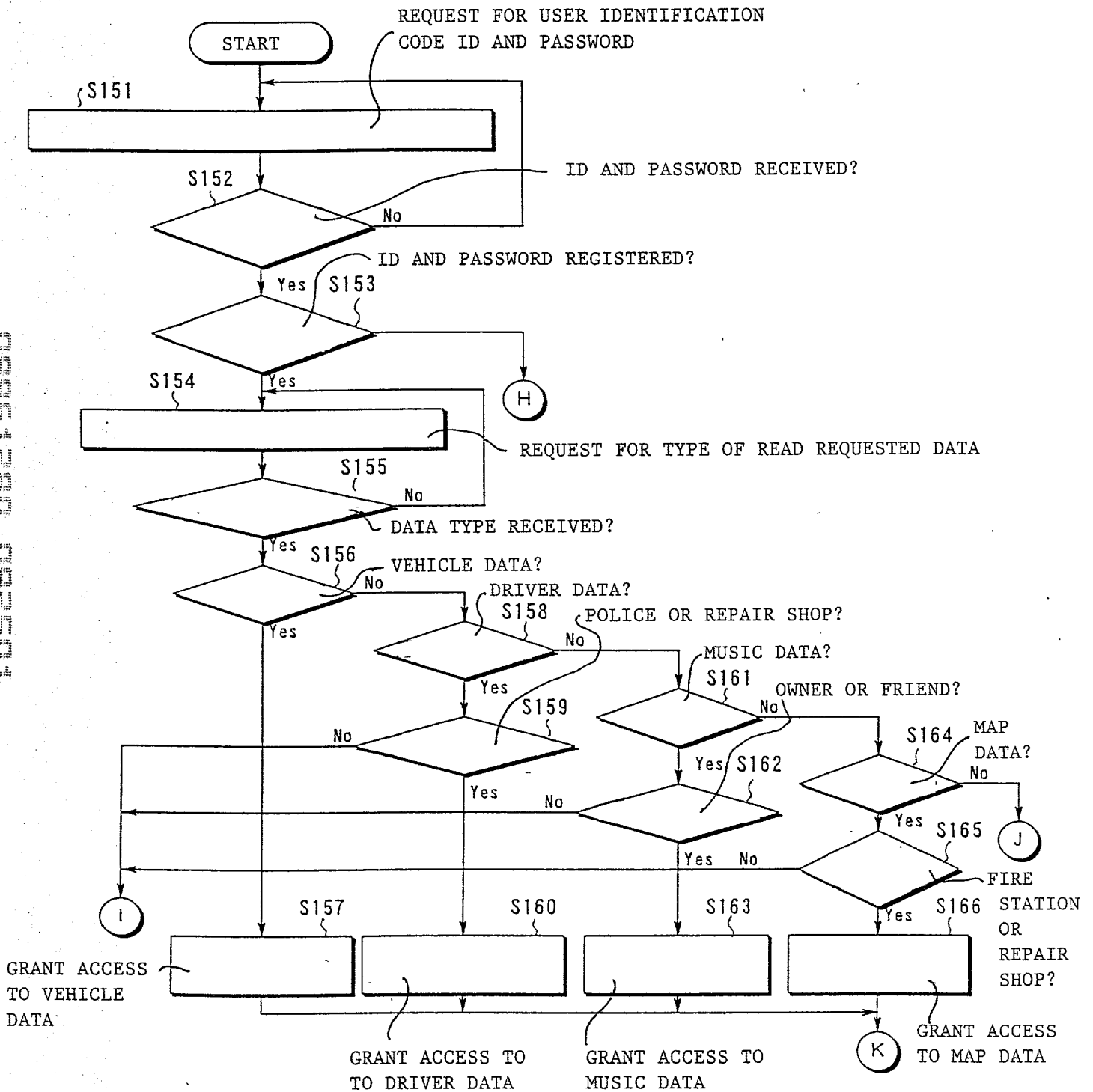


FIG. 24

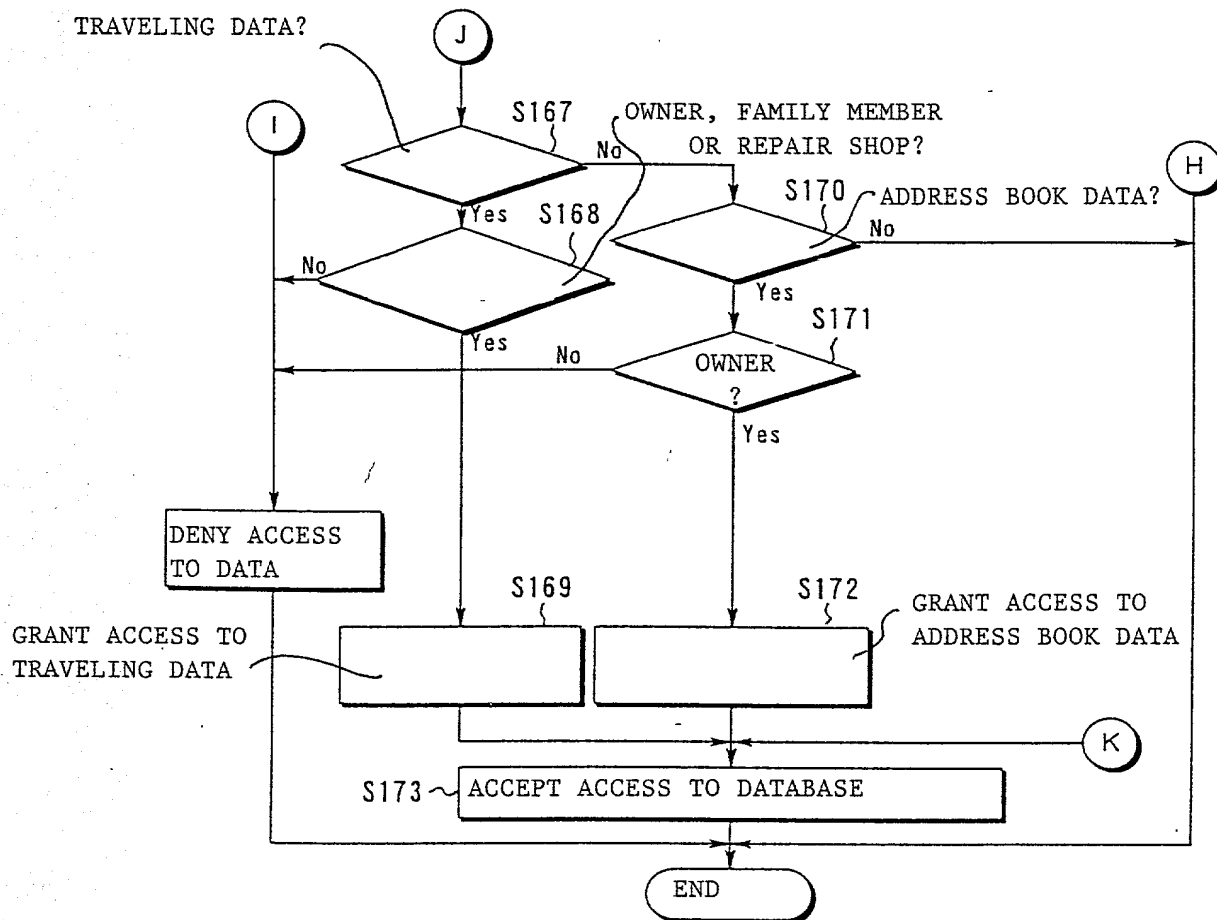


FIG. 25